

# HB650I02 Series

Intel® 10/11th LGA 1200 Socket Comet Lake-S Processor, DDR4 2933MHz up to 64GB

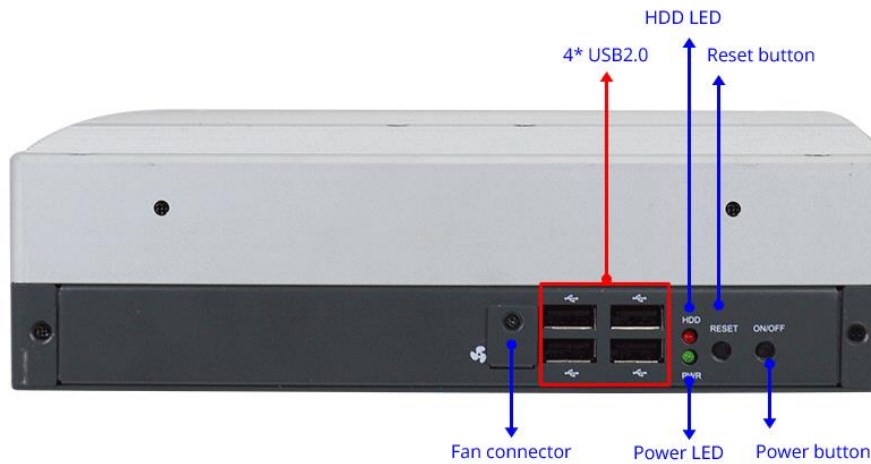
## Features

1. Intel® 10/11th LGA 1200 Socket Comet Lake-S Processor
2. 2\* Dual CH DDR4 2933MHz SO-DIMM up to 64GB
3. 8\* USB, 2\* RJ45, 1\* Line-out, 1\* Mic, 1\* DP, 2\* HDMI, 4\* COM(Max)
4. 1\* M.2 M-key 2280, 1\* M.2 E-key 2230, 1\* M.2 B-key 3042/3052
5. Support TPM2.0 (option)
6. Dimensions: 224 \* 199 \* 63 mm
7. DC19V/ 120W Adapter

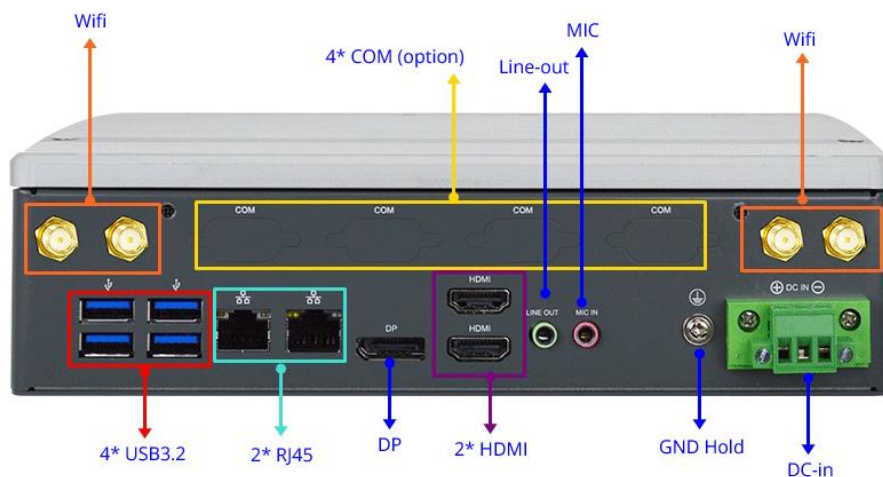


intel. FC CE RoHS COMPLIANT

## Front



## Rear

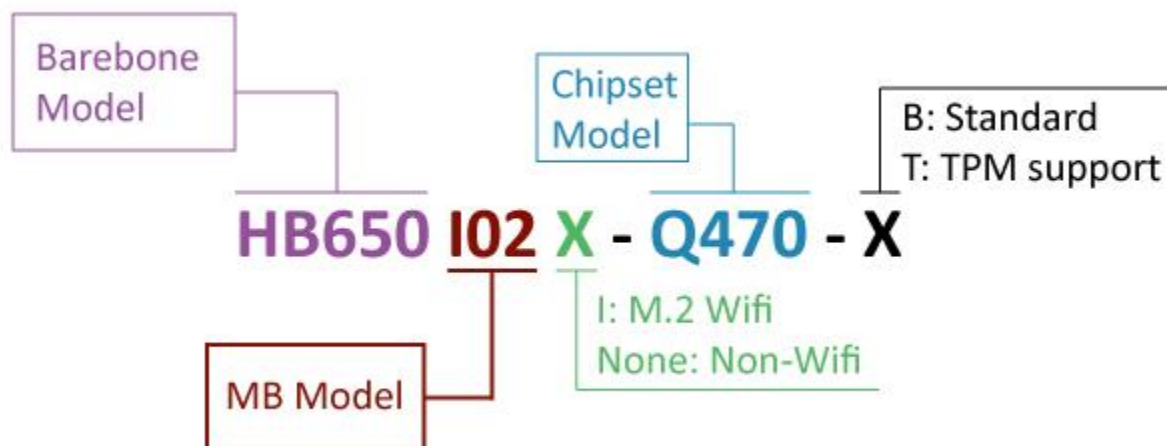


## Specifications

<b>Model</b>	<ul style="list-style-type: none"> <li>• HB650I02-Q470-B (non-WiFi) &amp; HB650I02I-Q470-B (WiFi)</li> <li>• HB650I02-Q470-T (TPM/non-WiFi) &amp; HB650I02I-Q470-T (TPM/WiFi)</li> </ul>
<b>CPU / Chipset</b>	<ul style="list-style-type: none"> <li>• Intel® 10/11th LGA 1200 Socket Core i9/i7/i5/i3/Pentium/Celeron Comet Lake-S Processor (Max. 65W TDP)</li> <li>• Intel Q470E Express chipset</li> </ul>
<b>MB model</b>	<ul style="list-style-type: none"> <li>• MI02-10</li> <li>• MI02-12 (TPM2.0)</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>• AMI Flash ROM BIOS</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 2* Dual CH DDR4 2933/2666/2400MHz SDRAM SO-DIMM up to 64GB</li> <li>* Core i9 / i7 CPUs support DDR4 up to 2933MHz</li> <li>* Core i5 / i3 CPUs support DDR4 up to 2666MHz</li> <li>* Pentium / Celeron CPUs support DDR4 up to 2400MHz</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>• 1 * Intel i219LM GbE</li> <li>• 1 * Intel i225LM 2.5GbE</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>• Intel® HD Graphics, shared memory</li> <li>2* HDMI 1.4 (Max Resolution: 4096x2160@30Hz)</li> <li>1* DP (Max Resolution: 4096x2304@60Hz)</li> <li>Support Triple Displays</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>• 1* M.2 M-key (2280, PCIe4/SATA interface) support NVME</li> </ul>
<b>Expansion</b>	<ul style="list-style-type: none"> <li>• 1* M.2 E-key (2230, PCIe1/USB2.0) support CNVi</li> <li>• 1* M.2 B-key (3042/3052, PCIe1/USB3.0) W/SIM card slot</li> </ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>• 2* RJ45</li> <li>• 4* USB3.2(Gen.1)</li> <li>• 1* DP</li> <li>• 2* HDMI</li> <li>• 1* Line out , 1* Mic</li> <li>• 1* DC in (Industrial Connector)</li> <li>• 4* COM (option)</li> </ul>
<b>Front Panel I/O</b>	<ul style="list-style-type: none"> <li>• 1* Power button , 1* Reset</li> <li>• 1* Power LED, 1*HDD LED</li> <li>• 4* USB2.0</li> <li>• 1* FAN link con</li> </ul>
<b>Internal Connector</b>	<ul style="list-style-type: none"> <li>• SIM Card Holder</li> </ul>
<b>Power Source</b>	<ul style="list-style-type: none"> <li>• Adapter : AC 90~240V input / DC19V_120W output</li> <li>• MB : DC12~28V input</li> </ul>
<b>Compliance</b>	<ul style="list-style-type: none"> <li>• CE, FCC, LVD, RoHS, ErP Ready</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• System : 224 (W) * 199 (D) * 63 (H) mm</li> <li>• Package : 406 (W) *359 (D) * 148 (H) mm</li> <li>Net Weight: 4 KG: Gross Weight: 5 KG</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>• Operating Temperature: -20 ~ 60° C (Under the condition of using M.2 interface SSD)</li> <li>• Storage Temperature: -40 ~ 85° C</li> <li>Humidity: 10% ~ 95% RH @40°C (non-condensing)</li> </ul>
<b>OS Support</b>	<ul style="list-style-type: none"> <li>• Windows 11, Linux</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>• 2 Years limited warranty</li> </ul>

\* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

## Part Number Rules



## Standard Accessories

Part Number	Description
-----	1*HB650I02 series
HCS650MWM01B-F	1*WALL MOUNT KITS
L01AS056-F	1*Adapter DC19V_120W
Change according to shipping area	1*Power cord (Change according to shipping area)
LCSCHBFDXXX-F LCSCHBJC3XX-F	1*Screw Pack
HCS3XXDINRAILPS-F	1*DIN RAIL CLIP KITS
J05-ANT-GX57245-F	2*Antenna 2G4/5G 2.8dBi (WiFi only)
HCFAN65X-DC1225	1*DC1225 FAN Expansion module (option)

## Mechanical Drawings (Unit=mm)

